



ELSEVIER

Respiration Physiology 119 (2000) 223–224



www.elsevier.com/locate/resphysiol

## Contents of volume 119

### No. 1, January 2000

#### Frontiers review

- H.R. Wirtz and L.G. Dobbs (Germany, USA) The effects of mechanical forces on lung functions 1

#### Research articles

- M. Wagenaar, L.J. Teppema, A. Berkenbosch, C.N. Olievier and H.T.M. Folgering (The Netherlands) Medroxy-progesterone acetate with acetazolamide stimulates breathing in cats 19
- L.H. Gargaglioni and L.G.S. Branco (Brazil) Role of nucleus isthmi in the ventilatory response to hypoxia of *Bufo paracnemis* 31
- E. Maranhão, A.P. Barboza, P.B. Ciminelli, B.J.C. Alcântara, M. Berti, J. Oliveira-Neto, V.L. Capelozzi, W.A. Zin and P.R.M. Rocco (Brazil) Temporal evolution of pneumothorax: respiratory mechanical and histopathological study 41
- J.W. Huang, G.C. Yang, P.W. Scherer and G.R. Neufeld (USA) Airway cross section strongly influences alveolar plateau slope of capnograms for smaller tidal volumes 51
- J.A. O'Kroy, J.M. Lawler, J. Stone and T.G. Babb (USA) Airflow limitation and control of end-expiratory lung volume during exercise 57
- C.J. Brauner, H. Thorarensen, P. Gallagher, A.P. Farrell and D.J. Randall (Canada) CO<sub>2</sub> transport and excretion in rainbow trout (*Oncorhynchus mykiss*) during graded sustained exercise 69
- C.J. Brauner, H. Thorarensen, P. Gallagher, A.P. Farrell and D.J. Randall (Canada) The interaction between O<sub>2</sub> and CO<sub>2</sub> exchange in rainbow trout during graded sustained exercise 83

#### Announcement

- 97

### Nos. 2–3, February 2000

#### Foreword

- J.E. Remmers and P. Suratt (Canada, USA) Cardiorespiratory control during sleep 99

#### Research articles

- J.F.R. Paton and P.J. Nolan (UK, Ireland) Similarities in reflex control of laryngeal and cardiac vagal motor neurones 101
- R.L. Horner (Canada) Impact of brainstem sleep mechanisms on pharyngeal motor control 113
- R.M. Harper, H.C. Kinney, P.J. Fleming and B.T. Thach (USA, UK) Sleep influences on homeostatic functions: implications for sudden infant death syndrome 123
- S.U. Hasan, S. Lalani and J.E. Remmers (Canada) Significance of vagal innervation in perinatal breathing and gas exchange 133
- C.L. Marcus (USA) Pathophysiology of childhood obstructive sleep apnea: current concepts 143
- S.T. Kuna (USA) Respiratory-related activation and mechanical effects of the pharyngeal constrictor muscles 155
- C.P. O'Donnell, C.G. Tankersley, V.P. Plotoky, A.R. Schwartz and P.L. Smith (USA) Leptin, obesity, and respiratory function 163
- J.V. Tyberg, D.A. Grant, I. Kingma, T.D. Moore, Y.-H. Sun, E.R. Smith and I. Belenkie (Canada, Australia) Effects of positive intrathoracic pressure on pulmonary and systemic hemodynamics 171

<i>B.G. Phillips and V.K. Somers (USA)</i> Neural and humoral mechanisms mediating cardiovascular responses to obstructive sleep apnea	181
<i>E.C. Fletcher (USA)</i> Effect of episodic hypoxia on sympathetic activity and blood pressure	189
<i>H.V. Forster, L.G. Pan, T.F. Lowry, A. Serra, J. Wenninger and P. Martino (USA)</i> Important role of carotid chemoreceptor afferents in control of breathing of adult and neonatal mammals	199
<i>W.A. Whitelaw and A.J. Black (Canada)</i> Sleep of the great	209
<b>Author index of volume 119</b>	219
<b>Subject index of volume 119</b>	221
<b>Contents of volume 119</b>	223

